

Lantong Zhang

List of Publications by Year in descending order

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94
papers

1,701
citations

331670

21
h-index

395702

33
g-index

97
all docs

97
docs citations

97
times ranked

1985
citing authors

#	ARTICLE	IF	CITATIONS
1	Isoliquiritin ameliorates depression by suppressing NLRP3-mediated pyroptosis via miRNA-27a/SYK/NF- κ B axis. <i>Journal of Neuroinflammation</i> , 2021, 18, 1.	7.2	165
2	<i>Lycium ruthenicum</i> studies: Molecular biology, Phytochemistry and pharmacology. <i>Food Chemistry</i> , 2018, 240, 759-766.	8.2	107
3	LC-MS/MS determination and pharmacokinetic study of seven flavonoids in rat plasma after oral administration of <i>Cirsium japonicum</i> DC. extract. <i>Journal of Ethnopharmacology</i> , 2014, 158, 66-75.	4.1	62
4	Identification of metabolites of oridonin in rats with a single run on UPLC-Triple-TOF-MS/MS system based on multiple mass defect filter data acquisition and multiple data processing techniques. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1006, 80-92.	2.3	56
5	The antidepressant effects of hesperidin on chronic unpredictable mild stress-induced mice. <i>European Journal of Pharmacology</i> , 2019, 853, 236-246.	3.5	53
6	Identification of urinary metabolites of imperatorin with a single run on an LC/Triple TOF system based on multiple mass defect filter data acquisition and multiple data mining techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6721-6738.	3.7	45
7	An acidic heteropolysaccharide from <i>Lycii fructus</i> : Purification, characterization, neurotrophic and neuroprotective activities in vitro. <i>Carbohydrate Polymers</i> , 2020, 249, 116894.	10.2	39
8	UHPLC-Q-TOF-MS/MS method based on four-step strategy for metabolites of hinokiflavone in vivo and in vitro. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 19-29.	2.8	38
9	Heme Binding Biguanides Target Cytochrome P450-Dependent Cancer Cell Mitochondria. <i>Cell Chemical Biology</i> , 2017, 24, 1259-1275.e6.	5.2	35
10	A Systematic Study of the Metabolites of Dietary Acacetin in Vivo and in Vitro Based on UHPLC-Q-TOF-MS/MS Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5530-5543.	5.2	35
11	UHPLC-Q-TOF-MS/MS Method Based on Four-Step Strategy for Metabolism Study of Fisetin <i>in Vitro</i> and <i>in Vivo</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10959-10972.	5.2	33
12	Preparation, evaluation and metabolites study in rats of novel amentoflavone-loaded TPGS/soluplus mixed nanomicelles. <i>Drug Delivery</i> , 2020, 27, 137-150.	5.7	31
13	Astragalgin Exerted Antidepressant-like Action through SIRT1 Signaling Modulated NLRP3 Inflammasome Deactivation. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1495-1503.	3.5	29
14	A practical strategy for the characterization of ponidicin metabolites in vivo and in vitro by UHPLC-Q-TOF-MS based on nontargeted SWATH data acquisition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 865-878.	2.8	28
15	Dual functions of a monoclonal antibody against cell surface F1F0 ATP synthase on both HUVEC and tumor cells. <i>Acta Pharmacologica Sinica</i> , 2008, 29, 942-950.	6.1	27
16	Rapid Analysis of 27 Components of <i>Isodon serra</i> by LC-ESI-MS-MS. <i>Chromatographia</i> , 2010, 72, 265-273.	1.3	27
17	Enhanced skin permeation of glabridin using eutectic mixture-based nanoemulsion. <i>Drug Delivery and Translational Research</i> , 2017, 7, 325-332.	5.8	26
18	Metabolism profiling of nevadensin in vitro and in vivo by UHPLC-Q-TOF-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1084, 69-79.	2.3	25

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19	Defensing against oxidative stress in <i>Caenorhabditis elegans</i> of a polysaccharide LFP-05S from <i>Lycii fructus</i> . <i>Carbohydrate Polymers</i> , 2022, 289, 119433.	10.2	25
20	Correlation between Chemical Composition and Antifungal Activity of <i>Clausena lansium</i> Essential Oil against <i>Candida</i> spp.. <i>Molecules</i> , 2019, 24, 1394.	3.8	24
21	Synthesis, self-assembly, and <i>in vitro</i> toxicity of fatty acids-modified <i>Bletilla striata</i> polysaccharide. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 69-75.	2.8	23
22	Development of a novel method for triterpenoidal saponins in rat plasma by solid-phase extraction and high-performance liquid chromatography tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2011, 419, 323-332.	2.4	22
23	Pharmacokinetic and excretion study of three secoiridoid glycosides and three flavonoid glycosides in rat by LC-MS/MS after oral administration of the <i>Swertia pseudochinensis</i> extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 967, 75-83.	2.3	22
24	Improved oral bioavailability for lutein by nanocrystal technology: formulation development, <i>in vitro</i> and <i>in vivo</i> evaluation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1018-1024.	2.8	22
25	Study of <i>in vitro</i> metabolism of m-nisoldipine in human liver microsomes and recombinant cytochrome P450 enzymes by liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 97, 65-71.	2.8	21
26	Kaempferitrin prevents bone lost in ovariectomized rats. <i>Phytomedicine</i> , 2015, 22, 1159-1162.	5.3	21
27	Preparation and antitumor evaluation of hinokiflavone hybrid micelles with mitochondria targeted for lung adenocarcinoma treatment. <i>Drug Delivery</i> , 2020, 27, 565-574.	5.7	21
28	Application of a liquid chromatography-tandem mass spectrometry method to the pharmacokinetics, tissue distribution and excretion studies of sweroside in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 969, 1-11.	2.3	20
29	Two Approaches for Evaluating the Effects of Galangin on the Activities and mRNA Expression of Seven CYP450. <i>Molecules</i> , 2019, 24, 1171.	3.8	20
30	Identification wild and cultivated licorice by multidimensional analysis. <i>Food Chemistry</i> , 2021, 339, 128111.	8.2	20
31	A systematic data acquisition and mining strategy for chemical profiling of <i>Aster tataricus</i> rhizoma (Ziwan) by UHPLC-Q-TOF-MS and the corresponding anti-depressive activity screening. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 216-226.	2.8	19
32	Phytochemical Information and Biological Activities of Quinolizidine Alkaloids in <i>Sophora</i> : A Comprehensive Review. <i>Current Drug Targets</i> , 2019, 20, 1572-1586.	2.1	19
33	Recent research advances in polysaccharides from <i>Undaria pinnatifida</i> : Isolation, structures, bioactivities, and applications. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 325-354.	7.5	19
34	Ultrahigh-performance liquid chromatography coupled with triple quadrupole and time-of-flight mass spectrometry for the screening and identification of the main flavonoids and their metabolites in rats after oral administration of <i>Cirsium japonicum</i> DC. extract. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1451-1461.	1.5	18
35	Metabolism studies on <i>prim</i> glucosylcimifugin and cimifugin in human liver microsomes by ultra-high-performance liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2016, 30, 1498-1505.	1.7	17
36	Metabolites identification of two bioactive constituents in <i>Trollius ledebourii</i> in rats using ultra-high-performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1068-1069, 297-312.	2.3	17

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37	Simultaneous Qualitative and Quantitative Study of Main Compounds in <i>Commelina communis</i> Linn. by UHPLC-Q-TOF-MS/MS and HPLC-ESI-MS/MS. <i>Journal of Chromatographic Science</i> , 2018, 56, 582-594.	1.4	17
38	Protective effects of liquiritin on UVB-induced skin damage in SD rats. <i>International Immunopharmacology</i> , 2021, 97, 107614.	3.8	17
39	A comprehensive study of eriocitrin metabolism <i>in vivo</i> and <i>in vitro</i> based on an efficient UHPLC-Q-TOF-MS/MS strategy. <i>RSC Advances</i> , 2019, 9, 24963-24980.	3.6	16
40	New Limonoids from the Seeds of <i>Xylocarpus granatum</i> . <i>Helvetica Chimica Acta</i> , 2015, 98, 691-698.	1.6	15
41	Simultaneous Determination of Five Components in <i>Aster tataricus</i> by Ultra Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2016, 54, 500-506.	1.4	15
42	Enhanced ultrasound-assisted enzymatic hydrolysis extraction of quinolizidine alkaloids from <i>Sophora alopecuroides</i> L. seeds. <i>Journal of Natural Medicines</i> , 2018, 72, 424-432.	2.3	14
43	Metabolism studies on hydroxygenkwanin and genkwanin in human liver microsomes by UHPLC-Q-TOF-MS. <i>Xenobiotica</i> , 2018, 48, 332-341.	1.1	14
44	Metabolic profile of phillyrin in rats obtained by UPLC-Q-TOF-MS. <i>Biomedical Chromatography</i> , 2016, 30, 913-922.	1.7	13
45	A simple and sensitive UHPLC-Q-TOF-MS/MS method for sophoricoside metabolism study <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 193-208.	2.3	13
46	Simultaneous Determination of Six Coumarins in Rat Plasma and Metabolites Identification of Bergapten <i>in Vitro</i> and <i>in Vivo</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4602-4613.	5.2	13
47	Qualitative and Quantitative Analyses of Active Constituents in <i>Trollius ledebourii</i> . <i>Journal of Chromatographic Science</i> , 2018, 56, 619-635.	1.4	13
48	Nontargeted SWATH acquisition mode for metabolites identification of osthole in rats using ultra-high-performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. <i>RSC Advances</i> , 2018, 8, 14925-14935.	3.6	13
49	Identification of Metabolites of Eupatorin <i>In Vivo</i> and <i>In Vitro</i> Based on UHPLC-Q-TOF-MS/MS. <i>Molecules</i> , 2019, 24, 2658.	3.8	13
50	Comprehensive Study of the <i>In Vivo</i> and <i>In Vitro</i> Metabolism of Dietary Isoflavone Biochanin A Based on UHPLC-Q-TOF-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12481-12495.	5.2	13
51	Simultaneous quantification of 16 bioactive constituents in Common cnidium fruit by liquid chromatography-electrospray ionization-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 107, 304-310.	2.8	12
52	Differentiation of Furanocoumarin Isomers with Ratio of Relative Abundance of Characteristic Fragment Ions and Application in <i>Angelicae dahuricae Radix</i> . <i>Chromatographia</i> , 2017, 80, 1401-1410.	1.3	12
53	Screening and identification of metabolites of two kinds of main active ingredients and hepatotoxic pyrrolizidine alkaloids in rat after lavage <i>Farfarae Flos</i> extract by UHPLC-Q-TOF-MS mass spectrometry. <i>Biomedical Chromatography</i> , 2018, 32, e4047.	1.7	11
54	A comprehensive study of the metabolism of flavonoid oroxin B <i>in vivo</i> and <i>in vitro</i> by UHPLC-Q-TOF-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 197, 113905.	2.8	10

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55	Circ_0001658 regulates gefitinib resistance of non-small cell lung cancer through miR-409-3p/TWIST1 axis. <i>Anti-Cancer Drugs</i> , 2022, 33, 158-166.	1.4	10
56	Emergence agitation during recovery from intracranial surgery under general anaesthesia: a protocol and statistical analysis plan for a prospective multicentre cohort study. <i>BMJ Open</i> , 2015, 5, e007542-e007542.	1.9	9
57	JNK is required for maintaining the tumor-initiating cell-like properties of acquired chemoresistant human cancer cells. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 1099-1106.	6.1	9
58	Highly predictive support vector machine (SVM) models for anthrax toxin lethal factor (LF) inhibitors. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 63, 22-28.	2.4	9
59	Identification of metabolites of vindoline in rats using ultra-high performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1060, 126-137.	2.3	9
60	Identification of metabolites of liquiritin in rats by UHPLC-Q-TOF-MS/MS: metabolic profiling and pathway comparison in vitro and in vivo. <i>RSC Advances</i> , 2018, 8, 11813-11827.	3.6	9
61	Investigating the <i>in vitro</i> stereoselective metabolism of <i>m</i> -nitroisoldipine enantiomers: characterization of metabolites and cytochrome P450 isoforms involved. <i>Biomedical Chromatography</i> , 2015, 29, 1893-1900.	1.7	8
62	A simple and fast quantitative analysis of quinolizidine alkaloids and their biosynthetic precursor, lysine, in <i>Sophora alopecuroides</i> by hydrophilic interaction chromatography coupled with triple quadrupole tandem mass spectrometry. <i>Phytochemical Analysis</i> , 2018, 29, 500-506.	2.4	8
63	UHPLC-Q-TOF-MS/MS-oriented characteristic components dataset and multivariate statistical techniques for the holistic quality control of <i>Usnea</i> . <i>RSC Advances</i> , 2018, 8, 15487-15500.	3.6	8
64	Quantitative determination of characteristic components from compound of <i>Lysionotus pauciflorus</i> Maxim. by LC-MS/MS and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112835.	2.8	8
65	Study on the mechanism of treating COVID-19 with Shenqi Wan based on network pharmacology. <i>Drug Development and Industrial Pharmacy</i> , 2021, , 1-11.	2.0	8
66	Tentative identification of new metabolites of cnidilin by liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 995-996, 85-92.	2.3	7
67	Rapid and Sensitive Analysis of Volatile Components of Different Parts of <i>Clausena lansium</i> by Ionic Liquid Based Headspace Gas Chromatography-Mass Spectrometry. <i>Molecules</i> , 2019, 24, 91.	3.8	7
68	Differentiating Westlake Longjing tea from the first and second grade producing regions using ultra high performance liquid chromatography with quadrupole time-of-flight mass spectrometry based untargeted metabolomics in combination with chemometrics. <i>Journal of Separation Science</i> , 2020, 43, 2794-2803.	2.5	7
69	Identification of bilobetin metabolites, in vivo and in vitro, based on an efficient ultra-high performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry strategy. <i>Journal of Separation Science</i> , 2020, 43, 3408-3420.	2.5	7
70	A Complete Study of Farrerol Metabolites Produced in Vivo and in Vitro. <i>Molecules</i> , 2019, 24, 3470.	3.8	6
71	The development and validation of an HPLC-MS/MS method for the determination of eriocitrin in rat plasma and its application to a pharmacokinetic study. <i>RSC Advances</i> , 2020, 10, 10552-10558.	3.6	6
72	A comprehensive study of celastrol metabolism in vivo and in vitro using ultra-high performance liquid chromatography coupled with hybrid triple quadrupole time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2022, 45, 1222-1239.	2.5	6

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73	Drugâ€‘protein-binding determination of stilbene glucoside using cloud-point extraction and comparison with ultrafiltration and equilibrium dialysis. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 307-314.	2.0	5
74	Determination of Cnidilin and Its Two Metabolites in Rat Plasma by High-performance Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry. <i>Planta Medica</i> , 2013, 79, 30-36.	1.3	5
75	Pharmacokinetics and excretion study of sophoricoside and its metabolite in rats by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 945-946, 154-162.	2.3	5
76	Identification of metabolites of Helicid in vivo using ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2018, 32, e4263.	1.7	5
77	Chemical profiling and total quality assessment of <i>Isodon japonica</i> using data-independent acquisition mode combined with superimposed multiple product ion UHPLC-Q-TOF-MS and chemometric analysis. <i>RSC Advances</i> , 2019, 9, 1403-1418.	3.6	5
78	Metabolites identification of (+)-usnic acid in vivo by ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>FÄ‘toterapÄ‘Ä‘</i> , 2019, 133, 85-95.	2.2	5
79	Hepatoprotection of Lycii Fructus Polysaccharide against Oxidative Stress in Hepatocytes and Larval Zebrafish. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	4.0	5
80	The development and validation of a sensitive HPLC-MS/MS method for the quantitative and pharmacokinetic study of the seven components of <i>Buddleja lindleyana</i> Fort.. <i>RSC Advances</i> , 2021, 11, 26016-26028.	3.6	5
81	The antitumour activity of C21 steroidal glycosides and their derivatives of Baishouwu: A review. <i>Journal of Ethnopharmacology</i> , 2022, 293, 115300.	4.1	5
82	Ethyl Acetate Extract of <i>Asclepias curassavica</i> Induced Apoptosis in Human Cancer Cells via Activating p38 and JNK MAPK Signaling Pathways. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-9.	1.2	4
83	Assessment of a developed HPLC-MS/MS approach for determining plasma eupatorin in rats and its application in pharmacokinetics analysis. <i>RSC Advances</i> , 2020, 10, 32020-32026.	3.6	4
84	Fengreqing Oral Liquid Exerts Anti-Inflammatory Effects by Promoting Apoptosis and Inhibiting PI3K/AKT and NF-Î‘B Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2022, 13, 824579.	3.5	4
85	Piperazine ferulate protects against cardiac ischemia/reperfusion injury in rat via the suppression of NLRP3 inflammasome activation and pyroptosis. <i>European Journal of Pharmacology</i> , 2022, 920, 174856.	3.5	4
86	Identification of metabolites of Ginkgolide B in vivo and in vitro using ultraâ€‘highâ€‘performance liquid chromatographyâ€‘quadrupole timeâ€‘ofâ€‘flight mass spectrometry. <i>Journal of Separation Science</i> , 2022, , .	2.5	4
87	HPLC-ESI-MS/MS QUANTITATIVE METHOD FOR SIMULTANEOUS ANALYSIS OF FIVE BIOACTIVE CONSTITUENTS OF FORSYTHIA SUSPENSIA IN RAT BILE AFTER ORAL ADMINISTRATION OF FORSYTHIA SUSPENSIA EXTRACT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 36, 44-60.	1.0	3
88	UHPLCâ€‘Qâ€‘TOFâ€‘MS/MSâ€‘based screening and characterization of metabolites of cnidilin in human liver microsomes. <i>Biomedical Chromatography</i> , 2017, 31, e3992.	1.7	3
89	Identification and Characterization of Strychnine-Binding Peptides Using Phage-Display Screening. <i>Protein and Peptide Letters</i> , 2017, 24, 626-632.	0.9	3
90	Determination and pharmacokinetic analysis of ticarcillin disodiumâ€‘clavulanate potassium for injection in rat plasma by UPLC-ESI-MS/MS. <i>Journal of International Medical Research</i> , 2020, 48, 030006052096782.	1.0	2

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91	QUALITATIVE AND QUANTITATIVE ANALYSIS OF 15 ACTIVE CONSTITUENTS IN JIWEILING FREEZE-DRIED POWDER BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 34, 1-17.	1.0	1
92	QUANTITATIVE ANALYSIS OF TEN DITERPENOIDS IN RAT BILE AFTER ORAL ADMINISTRATION OF <i>Isodon rubescens</i> EXTRACT BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY-ELECTROSPRAY IONIZATION TANDEM MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1264-1279.	1.0	1
93	Pharmacokinetics and excretion study of bergenin and its phase II metabolite in rats by liquid chromatography tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2019, 33, e4513.	1.7	1
94	Diverse dihydroagarofuran sesquiterpene derivatives from the stem and branch of <i>Tripterygium wilfordii</i> . <i>FÄ-toterapÄ-Äç</i> , 2022, 160, 105205.	2.2	1